

In the Claims

Please amend the claims as follows:

1. (Currently amended) Method for the conversion of a cytosine base in a nucleic acid to an uracil base comprising ~~the steps of~~
 - a) incubating a solution comprising the nucleic acid for a time period of 1.5 to 3.5 hours at a temperature between 70 and 90 °C, ~~whereby~~ wherein the concentration of bisulfite in the solution is between 3 M and 6.25 M and ~~whereby~~ wherein the pH value of the solution is between 5.0 and 6.0, whereby the nucleic acid is deaminated, and
 - b) incubating the solution comprising the deaminated nucleic acid under alkaline conditions whereby the deaminated nucleic acid is desulfonated.
2. (currently amended) Method according to claim 1, ~~characterized in that~~ wherein in step a) the temperature is between 75 and 85 °C.
3. (currently amended) Method according to ~~any of the claims~~ claim 1 to 2, ~~characterized in that~~ wherein the concentration of bisulfite is between 3.2 M and 6 M.
4. (currently amended) Method according to ~~any of the claims~~ claim 1 to 3, ~~characterized in that~~ wherein the pH value of the solution is between 5.25 and 5.75.
5. (currently amended) Method according to ~~any of the claims~~ claim 1 to 4, ~~characterized in that~~ wherein the time period is between 1.75 and 3 hours.
6. (currently amended) Method according to ~~any of the claims~~ claim 1 to 5, ~~characterized in that~~ wherein the time period is between 2 and 3 hours.
7. (currently amended) Method according to ~~any of the claims~~ claim 1 to 6, ~~characterized in that~~ wherein in step a) the temperature is 80 °C, the concentration of bisulfite is 5 M, the pH value of the solution is 5.5 and the time period is between 2 and 3 hours.
8. – 10 Cancel
11. (currently amended) A Kit kit comprising:

a solution with a pH value between 5.0 and 6.0 comprising bisulfite in a concentration between 3 M and 6.25 M and optionally comprising one or more of hydroquinone, plasticware, a washing solution, or an element.

12. (original) Solution with a pH value between 5.4 and 5.6 and comprising bisulfite in a concentration between 3.5 M and 6.25 M and optionally comprising hydroquinone.
13. (original) Solution according to claim 12 wherein the concentration of bisulfite is between 3.75 M and 6 M.
14. (currently amended) Solution according to ~~any of the claims~~ claim 12 ~~to 13~~ wherein the pH value of the solution is 5.5 and wherein the concentration of bisulfite is 5 M.